



State of Utah

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Department of Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF WATER QUALITY
John K. Mackey, P.E.
Director

December 20, 2022

VIA EMAIL
(Read Receipt Requested)

Lantz Indergard
LVMC ISR Project Manager
Lisbon Valley Mining Company LLC
PO Box 400
Moab, Utah 84532

Subject: Approval to Operate UIC Class V Injection Well under Authorization by Rule
Experimental Technology Wells – Tracer Test – EPA Well Code – 5G
Lisbon Valley Mine- 313 South County Rd 313, La Sal, UT
Utah UIC Facility Identification Number: UTU-37F-3420999E

Dear Lantz Indergard:

The Division of Water Quality (DWQ) received the Underground Injection Control (UIC) Class V permit application submitted by Lisbon Valley Mining Company (LVCM) in August 2022 (DWQ-2022-026817).

APPROVAL AND AUTHORIZATION

DWQ reviewed the application and associated project material and has determined that the Tracer Test will not:

- cause a violation of any primary drinking water regulation (40 CFR Part 141 and Utah Public Drinking Water Rules R309-200);
- adversely affect the health of persons; nor,
- cause a violation of any ground water quality rules.

DWQ based its determination on the following factors:

- 1) The injectate (NaCl) is non-toxic;
- 2) The Tracer Test is short term and will be performed in a small, limited area near the existing GTO pit;
- 3) The intent of the project is to recover all of the injectate;
- 4) Poor existing water quality near the current mining area.

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Based on the DWQ's review and the factors above, the project and injection may proceed under Authorization by Rule according to the Administrative Rules for the Utah UIC Program, R317-7, provided the following conditions are met:

- 1) During the period of the project, the seven (7) installed wells will be classified as Class V Experimental Technology Wells to inject 30-60 mg/L of sodium chloride (NaCl) fluid to be used as a tracer into the Burro Canyon Aquifer (BC). LVCM is required to report any change in the operating status of any of the seven (7) wells (e.g. date constructed, date closed, etc.) on the attached 'Reporting Form for Change of Operating Status for Class V Injection Wells Authorized by Rule.'
- 2) Authorization by Rule status will continue for one year from the date of this letter at which time the operator will provide justification for continuing the pilot project.

This facility has been assigned a Utah UIC Facility Identification Number: **UTU-37F-3420999E**. Please use this identification number when submitting any further information and correspondence regarding injection wells at this facility.

PROHIBITION OF UNAUTHORIZED INJECTION

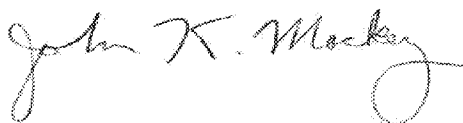
Responsibility of the Utah Division of Water Quality: According to the Utah UIC Program Rules, Class V injection wells are Authorized by Rule provided inventory information is submitted before injection commences. The Utah UIC Program Rules prohibit authorization of underground injections "which would allow movement of fluid containing any contaminant into underground sources of drinking water if the presence of that contaminant may cause a violation of any primary drinking water regulation (40 CFR Part 141 and Utah Public Drinking Water Rules R309-200), or which may adversely affect the health of persons" or which "may cause a violation of any ground water quality rules that may be promulgated by the Utah Water Quality Board." Utah Admin. Code R317-7-5.3.

If at any time the Director determines that a Class V well may cause a violation of primary drinking water rules, the Director may require the injector to obtain an individual permit, require the injector to close the injection well, or take appropriate enforcement action including site remediation.

Responsibility of the Operator: Once approval has been given to operate a Class V injection well under Authorization by Rule, it is the responsibility of the operator of the Class V injection well to implement appropriate Best Management Practices (BMPs) to ensure that the authorized injectate does not contain any contaminant that would cause a violation of any primary drinking water regulation or ground water quality rule or would otherwise adversely affect the health of persons. Additionally, no injectate other than that for which the well is authorized is allowed to enter the well.

If you have any questions or comments regarding the UIC requirements, please contact Porter Henze at (385)-566-7799 or pkhenze@utah.gov.

Sincerely,



John K. Mackey, P.E.
Director

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PKH/cjh

Enclosures: Reporting Form for Change of Operating Status for Class V Injection,
Wells Authorized by Rule (DWQ-2018-001287)

Cc: Via Email
Russell Seeley, Southeast District Engineer;
Ronnie Nieves, San Juan County Health Department;
Omar Sierra-Lopez, EPA

DWQ-2022-031739